

Response
Amendments to the Abstract

Please amend the abstract as follows:

~~The present invention relates to a plate heat exchanger and its method of construction.~~ A pair of round corrugated heat transfer plates provide a cassette with the corrugations of one heat exchanger plate angled relative to the other so as to form ~~angular~~ channels for fluid flow of a primary fluid and a secondary fluid. A plurality of the ~~corrugated~~ cassettes are contained within a housing and ~~are provided with~~ have a pair of port holes. The housing is ~~in the form of~~ has a cylindrical shell, ~~and includes~~ a bottom cover ~~member~~ and a top cover ~~member~~. The ~~eylindrieal~~ shell has an inlet nozzle and an outlet nozzle ~~on opposed sides of the shell~~ for the secondary fluid ~~while the~~. The top cover ~~member is provided with~~ has an inlet nozzle and an outlet nozzle for a primary fluid. The nozzles ~~of the top cover member~~ are aligned with the port holes ~~formed in each of the cassettes.~~ ~~Depending on the type of use, either the portholes or the cassette outer edge may be welded, with gaskets used alternately on the fouling side(s).~~ ~~A gasketed or semi-gasketed heat exchanger allows the unit to be cleaned on the gasketed side of the unit when fouling is a concern.~~ A spring device is ~~provided on the bottom of the housing to compensate~~ compensates for any mechanical or thermal expansion of the cassettes. ~~A that may occur during operation of the heat exchanger.~~ Also, a special seal is provided for ~~preventing~~ prevents short-circuiting of the fluid ~~as it passes through the heat exchanger.~~